

Begin

REEL # 220

Kherabyan, F. A.
to

KHREBYAN, F.A.

Usefulness of ⁰temography for the detection of cysts of the maxillary sinuses. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki. 5 no.6
81-85 '52. (MIRA 9:8)

1. Institut rentgenologii i onkologii Ministerstva zdravookhraneniya
Armenyanskoy SSR.
(X RAYS) (CYSTS) (NOSE, ACCESSORY SINUSES OF--TUMORS)

KHEROBYAN, F.A.

Pneumomas of the accessory sinuses of the nose. Izv. AN Arm. SSR.
Biol. i sel'khoz. nauki 6 no.1:71-76 '53. (MLA 9:8)

1. Institut rentgenologii i onkologii Ministerstva zdavookhraneniya
Armenianskoy SSR.

(MENINGIOMA) (NOSE, ACCESSORY SINUSES OF - TUMORS)

KHEROBYAN, F.A.

SARUKHANYAN, V.O., kandidat meditsinskikh nauk; KHEROBYAN, F.A.

Nucleography (discography) of intervertebral disks of the lumbar segment of the spine. Khirurgiya no.2:55-60 P '54. (MLEA 7:5)

1. Iz kafedry obshchey khirurgii (zaveduyushchiy - professor S.S.Sharimanyan) Yerevanskogo meditsinskogo instituta i Nauchno-issledovatel'skogo instituta rentgenologii i onkologii (direktor - chlen-korrespondent Akademii nauk Armyanskoy SSR professor V.A.Panardzhyan) Ministerstva zdoravookhraneniya Armyanskoy SSR. (Intervertebral disk)

KHEROBMAN, F. A., PHYSICIAN

Otorhinolaryngological Diseases

Dissertation: "Clinicoröntgenological and Pathohistological Investigations of Inflammatory Processes of the Maxillary Sinus." Cand Med Sci, Yerevan Medical Inst, 17 Mar 54.
(Kommunist, Yerevan, 7 Mar 54).

SO: SUM 213, 20 Sep 54.

PAPOYAN, S.A., starshiy nauchnyy sotrudnik; KHEROBYAN, F.A.,
starshiy nauchnyy sotrudnik; AMBARTSUMYAN, S.G.

X-ray characteristics of the osteogenic sarcoma caused by
radioactive strontium 90 in rats. Vop. radiobiol. [AN Ann.
SSR] 1:141-147 '60. (MIRA 15:3)

1. Iz Instituta rentgenologii i onkologii i Sektora radio-
biologii AN Armyanskoy SSR.

(STRONTIUM--ISOTOPES)

(BONES--CANCER)

~~KHENDYAN~~, P.A., starshiy nauchnyy sotrudnik; MARTIROSYAN, G.I.;
AYHAPETYAN, L.A.

Pneumoretroperitoneum in tumors of the abdominal cavity, Vop.
rent. i onk. 6:85-94 '61. (MIR 16:2)
(ABDOMEN—TUMORS) (PNEUMOPERITONEUM, ARTIFICIAL)

KHEROMYAN, P.A., starshiy nauchnyy sotrudnik; NAGAPETYAN, L.S.,
mladshiy nauchnyy sotrudnik

Roentgenography of the thyroid gland. Vop. rent. i onk. '61. 6:95-102
(MIRA 16:2)
(THYROID GLAND—RADIOGRAPHY)

KHEROBYAN, F.A., starshiy nauchnyy sotrudnik; NAGAPETYAN, I.S., mladshiy
nauchnyy sotrudnik

Diagnosis of giant-cell tumors (osteoblastoclastomas) of the
jaw. Vop. rent. i onk. 7:275-82 '63 (MIRA 1787)

TATARYAN, A.O.; KHEROBYAN, F.A.

Materials for the study of cystoscopic and X-ray data in tumors of
the urinary bladder. Zhur. eksp. i klin. med. 4 no.1:55-60 '64.
(MIRA 17:9)

1. Institut rentgenologii i onkologii AMN SSSR.

KHERODINASHVILI, A.Z.; CHINCHALADZE, G.G.; KHAVTASI, A.A.; DANDUROV, A.B.;
~~LADADZE, P.P.~~ (Tbilisi)

Sanitary working conditions in refrigeration plants. Gig
truda i prof.zab. 3 no.2:14-15 Mr-Ap '59. (MIRA 12:6)

1. Institut gigiyeny truda i profzabolevaniy.
(REFRIGERATION AND REFRIGERATING MACHINERY --HYGIENIC ASPECTS)

L 01209-67 EWT(m)/EWP(w)/T/EWP(t)/ETI/EWP(k) IJP(c) JD/HW

ACC NR: AP6032458

SOURCE CODE: UR/0129/66/000/009/0042/0045

AUTHOR: Vishnyakov, Ya. D.; Ivanov, A. N.; Mirskiy, L. M.; Kherodinashvili, Z. Sh.

ORG: Institute of Steel and Alloys, Moscow (Moskovskiy institut stali i splavov)

TITLE: Effect of high-temperature thermomechanical treatment on the fine structure and mechanical properties of titanium alloys

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 9, 1966, 42-45

TOPIC TAGS: titanium alloy, thermomechanical treatment, alloy thermomechanical treatment, alloy, ~~fine structure~~, ~~property~~ mechanical property/VT3-1 alloy, VT15 alloy

ABSTRACT: VT3-1 titanium alloy (2.4% Mo, 1.6% Cr, 5.9% Al, 0.5% Fe, 0.2% Si) and VT15 titanium alloy (7.8% Mo, 11.0% Cr, 3.2% Al, 0.2% F, 0.1% Si) were subjected to high-temperature thermomechanical treatment (HTMT) — deformation at 900—1000 and 800—900C, respectively, followed by rapid (200C/sec) cooling. Specimens were strained either by tension (VT3-1 alloy) or by upsetting (VT15 alloy). HTMT increased the strength and ductility of the alloys. For example, the VT3-1 alloy strength increased from 115 kg/mm² after conventional heat treatment to 142 kg/mm² after HTMT at 900C with a reduction of 26%. Higher reductions brought about no additional effect. Aging at 500C for 5 hr increased the strength of conventionally and thermomechanically treated alloy to 125 and 160 kg/mm² at an elongation of 12 and 15%, respectively. With the HTMT in the β -region (1000C), the strengthening effect was

Card 1/2

UDC: 620.17:669.295:621.789

I. 11202-66 EWP(m)/EWP(t)/EWP(k)/EWP(b)/EWA(c) IJE(c) JD/HW
 ACC NR: AP5026361 SOURCE CODE: UR/0370/65/000/005/0139/0142
 AUTHOR: Bokshfeyn, S. Z. (Moscow); Kishkin, S. T. (Moscow); Mirskiy, L. A. (Moscow);
 Tavazze, F. N. (Moscow); Kherodinashvili, Z. Sh. (Moscow)
 74,55 44,55 64 B
 ORG: none
 TITLE: Diffusivity and heat resistance of titanium alloys after thermal and thermo-
 mechanical working 44,55 2
 SOURCE: AN SSSR. Izvestiya. Metally, no. 5, 1965, 139-142
 TOPIC TAGS: titanium alloy, carbon alloy, solid mechanical property, metal aging,
 metalworking, metal diffusion, metal heat treatment, metal forming, thermal aging
 ABSTRACT: The effect of standard thermal and thermomechanical working of VTZ-1 ti-
 tanium alloy on carbon diffusivity in alloys and alloy strength was investigated. The
 standard thermal treatment consisted of heating to 870°C, followed by soaking at
 870°C for 1 hour, cooling to 650°C and soaking at 650°C for one hour and air cooling
 to room temperature. Thermomechanical working consisted of deformation of 30 x 30 x
 x 65 mm alloy samples at 870°C (60% deformation per hammer strike) and instantaneous
 quenching in water. This was followed by aging for 5 hours at 550°C. For short and
 long lasting mechanical strength tests, thermally and thermomechanically worked alloy
 samples were reduced to 5 mm in diameter. Carbon diffusivity tests were made on
 10 x 10 x 20 mm alloy samples. Orig. art. has: 2 figures.
 Card 1/3 *Probably BT3-1,4 DC: 669.255-157.9

L 11202-66

ACC NR: AP5026361

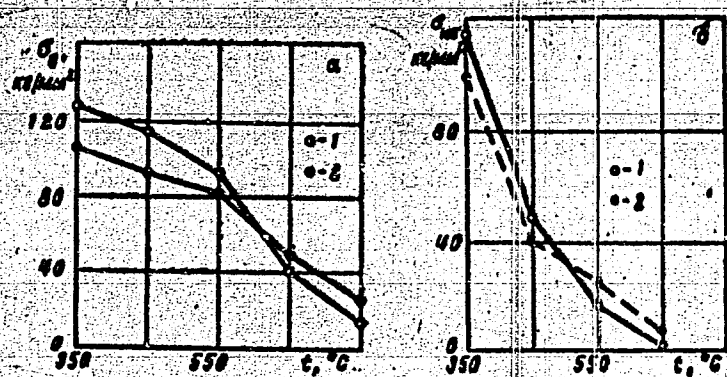


Fig. 1. Effect of temperature on short-lasting strength σ_0 and 100-hour linear strength σ_{100} of VTZ-1 alloys after thermomechanical working, (1); After standard thermal working (2).

Card 2/3

L 11202-66

ACC NR. AP5026361

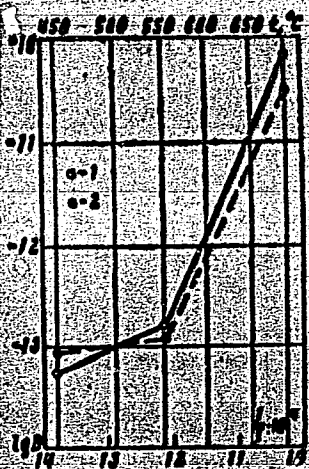


Fig. 2. Temperature dependence of the logarithm of the diffusion coefficient in VTZ-1 alloy after thermomechanical working (1); after standard thermal working (2).

SUB CODE: 11/

SUBM DATE: 06May65/

ORIG REF: 005/

OTH REF: 000

Card 3/6

MANDZHIGALADZE, R.N., otv. red.; DZHANGAVADZE, O.Sh., red.;
KVANCHAKHADZE, G.Sh., red.; KIPIANI, S.P., red.;
KURASHVILI, M.Ye., red.; MDINARADZE, V.L., red.;
ROKVA, V.A., red.; ROSTOMBEKOVA, N.V., red.;
KHERODINASHVILI, A.Z., red.

[Materials of the scientific session dedicated to the 35th anniversary of the Institute on June 4th - 6th, 1964] Materialy nauchnoi sessii, posviashchennoi 35-letiiu instituta, 4-6 iyunia 1964 g. Tbilisi, 1964. 110 p.

(MIRA 18:1)

1. Gruzinskiy nauchno-issledovatel'skiy institut gigiyeny truda i profzabolevaniy. 2. Gruzinskiy nauchno-issledovatel'skiy institut gigiyeny truda i profzabolevaniy.

TAVADZE, F.N., akademik; KHERODINASHVILI, Z.Sh.

Device for heating readily oxidizing materials in a vacuum.

Soob. AN Gruz. SSR 37 no.3:643-644 Mr '65.

(MI A 18:5

1. Gruzinskiy metallurgicheskiy institut, Tbilisi. 2. Akademiya
nauk Gruzinskoy SSR (for Tavadze).

2

KHEROUT, V.

KHEROUT, V. Achievements in the chemistry of natural azulenes and
azulenogen substances. p 455. Vol. 3, 1955
IZVESTIYA. Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1955

KHEROUT, V.

KHEROUT, V. Work with small quantities of substances in laboratories for organic chemistry. p. 471. Vol. 3, 1955 IZVESTIYA. Sofia, BULGARIA

SOURCE: East European Accessions List (EFAL) Vol. 6, No. 4--April 1957

3.5150

S/169/62/000/003/064/098
D228/D301

AUTHOR: Kherovanu, M. V.

TITLE: Method of determining the Ångström turbidity parameters from actinometric observations in two spectral regions (Theses)

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 3, 1962, 29, abstract 3B236 (V sb. Aktinometriya i atmosf. optika, L., Gidrometeoizdat, 1961, 152)

TEXT: Using an expression for the influx of solar radiation in the broad spectral region, a formula was derived for determining the coefficient of weakening and its dependence on the mass of the atmosphere. [Abstracter's note: Complete translation.] ✓

Card 1/1

ZHELEV, Zh.T.; KALINNIKOV, V.G.; KUDRYAVTSEVA, A.V.; LEBEDEV, N.A.;
MAKAROV, S.P.; MUZIOL, G.; KHERBMANN, E.

The new isotopes Er^{157} , Ho^{157} , and Er^{156} . IAd. fiz. 2
no. 5:956-957 N. 55. (MIRA 18:12)

1. Ob'yedinennyy institut yadernykh issledovaniy.

KHERSAKOV, S. G. (Reviewer)

Orenburg Agricultural Institute.

"A good and practical manual*, Veterinariya, Vol. 37, No. 12, p. 74, 1960.

*Korzhyanov, V. P. Veterinarno-Sanitarnaya Ekspertiza Moloka i Molochnykh Produktov
[Veterinary-Sanitary Expertise [Inspection] of Milk and Dairy Products], M.,
Sel'khozgiz, 1959.

L 27292-55 INT(M)/REF(M)-2/TRE(M)/TWR(M)/TWA(M)

66-4/P46 DIAAP/137

ACCESSION NO: AP5002546

8/086/64/006/006/0756/01

AUTHOR: Kharin, E. I. Gerasimov, K. I. Lohov

S. A. Khalkin, V. A.

TITLE: Isolation of neutron-deficient isotopes of elements in the cerium group of rare earths from erbium irradiated with 680 Mev protons

SOURCE: Radiokhimiya, v. 6, no. 6, 1964, 756-762

TOPIC TAGS: proton bombardment, erbium irradiation, rare earth isotope, neutron deficient isotope, partition chromatography, lanthanide isotope, silica gel, alkyl phosphate

neutron deficient isotope, partition chromatography, lanthanide isotopes, silica gel, alkyl phosphate

ABSTRACT: The authors bombarded erbium with 680 Mev protons to obtain neutron-deficient isotopes of light lanthanides. In order to separate these elements from erbium, use was made of partition chromatography on silica gel with bis(2-ethylhexyl)orthophosphoric acid as the extracting agent. The method is suitable for remote-control operations. The following light lanthanides were separated chromatographically: Dy, Tb, Gd, Eu, Sm, Pm, Nd, Pr, and Ce. The separation on a cation-exchange column was begun 2 hours after the proton irradiation had ended. When the isolated products were measured with magnetic β -spectrometers and β -spectrographs in the soft region (< 100 Kev), no broadening of the lines of

Card 1/2

L 27592-65

ACCESSION NR: AP5001646

conversion electron was observed. From this the authors conclude that the purification of erbium by partition chromatography makes it possible to eliminate light rare earths virtually completely. Orig. art. has: 5 figures, 1 table and 7 formulas.

ASSOCIATION: none

SUBMITTED: 25Nov63

ENCL: 00

SUB CODE: IC, IF

NO REF SOV: 001

OTHER: 017

Card 2/2

L 23256-66 EWT(m) DIAAP

ACC NR: AP6009155

SOURCE CODE: UR/0367/65/002/005/0956/0957

AUTHOR: Zhelev, Zh. T.; Kalinnikov, V. G.; Kudryavtseva, A. V.; Lebedev, N. A.;
Makarov, S. P.; Muziol', G.; Khormann, E.

ORG: Joint Institute of Nuclear Research (Ob'yedinennyy institut yadernykh issle-
dovaniy)

TITLE: New isotopes Er^{157} , Ho^{157} , and Er^{158}

SOURCE: Yadernaya fizika, v. 2, no. 5, 1965, 956-957

TOPIC TAGS: erbium, holmium, isotope, half life

ABSTRACT: The search for new erbium and holmium isotopes was made with the aid of a magnetic β spectrometer with three successive foci and with a scintillation γ spectrometer. The compounds for the investigation were separated chromatographically from a tantalum target bombarded with 660-Mev protons in the OIYaI synchrocyclotron. The chemical separation of the rare earths started approximately ten minutes after the end of the irradiation, and that of the erbium and holmium fractions after two hours. The genealogical connections were investigated in the following proposed chains of decay reaction:

Card 1/2

L 25256-66

ACC NR: AF6009155

$\text{Er}^{157} \xrightarrow{\quad ? \quad} \text{Ho}^{157} \xrightarrow{\quad ? \quad} \text{Dy}^{157} \xrightarrow{8.2 \text{ hr}} \text{Tb}^{157},$

$\text{Er}^{158} \xrightarrow{\quad ? \quad} \text{Ho}^{158} \xrightarrow{57 \text{ min}} \text{Dy}^{158} \text{ (stable)}.$

The half lives of Er^{157} and Ho^{157} were found to be 24_{-4}^{+2} and 18_{-4}^{+2} minutes, respectively. While the existence of Er^{157} and Ho^{157} was previously predicted in the literature, no data on the existence of Er^{158} have ever been published. The half life of Er^{158} could not be reliably identified, but an upper limit of 10--12 minutes was estimated for it. It is pointed out in the conclusion that observation of the same isotopes was subsequently reported by A. Gizon et al. (Phys. Nucl. Ann. 1964, Inst. du Rad., Paris, April, 1965) with somewhat different values of the half lives. Orig. art. has: 1 formula.

SUB CODE: 20/ SUBM DATE: 04Jun65/ ORIG REF: 001/ OTH REF: 001

Card 2/2 BLC

9,4310

S/144/62/000/006/007/009
D230/D308

AUTHORS: Khersdorf, L. and Khokh, G.

TITLE: Response of transistors to weak signals in the temperature range -60° to $+60^{\circ}\text{C}$

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Elektromekhanika, no. 6, 1962, 650-658

TEXT: Amplifying and power p-n-p type transistors are investigated; circuits with a common base and a common emitter represent the main subject of the work. The parameters were determined by a bridge method at a frequency of 300 c/s. h and h' parameters for signal and power amplifying transistors OC16 and OC811 respectively (OS16 and OS811) are determined and discussed; the parameter values are related to 20°C . Current, voltage, power and input impedance data are given. Both power and signal transistor measurements were made with 100 ohm and 10 kohm load resistances. It is concluded that in the pre-amplifying stages in which large and possibly temperature-independent current amplification is possible, a working

Card 1/2

Card 2/2

KhersHKovets, N

AUTHOR: PAUSHKIN, YA.M., OSIPOVA, L.B., KhERSHKOVETS, N. PA - 2764
 TITLE: The Synthesis of Nitryls from Alcohols and Ammonia on Oxide Catalysts.
 (Sintez nitrilov iz spirtov i ammiaka na okisnykh katalizatorakh,
 Russian)
 PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 4, pp 832 - 835
 (U.S.S.R.)
 Received: 6 / 1957 Reviewed: 7 / 1957

ABSTRACT: In the course of recent years materials are produced by the ton which hitherto have been difficult to obtain. This is also the case with nitryls. Thus, acrylonitril and dinitryl of adipic acid are already being used for industrial purposes, and the same is the case with acetonitril and other nitryls of fatty acids. In addition there are inexpensive raw materials such as gaseous hydrocarbons obtained from mineral oil cracking as well as low-molecular paraffins. Several patents concern the nitryl production from ammonia and alcohols. The authors investigate the reaction of ethyl and isoamyl alcohol in the presence of the alumo-molybdenum-oxide catalyst. Acetone nitryl was identified by a series of qualitative reactions, by physical-chemical constants, and by the production of the condensation product with floroglucine. In the course of experiments carried out with ethanol the influence exercised by temperature on the acetone nitryl yield was studied. It begins to form at temperatures of more than 350° and the yield increases with growing temperature

Card 1/3

PA - 2764

The Synthesis of Nitryls from Alcohols and Ammonia on Oxide Catalysts.

(4 tables, 2 Slav citations from Slav publications)

ASSOCIATION: Institute for Mineral Oil of the Academy of Science of the U.S.S.R.
PRESENTED BY: A.V.TOPCHIEV, Member of the Academy
SUBMITTED: 12.10.1956
AVAILABLE: Library of Congress

Card 3/3

AKHERSHKOVICH, E.

COUNTRY : BULGARIA
 CATEGORY : Cultivated Plants. Medicinal. Ethereal Oil. Poisonous. M
 ABS. JOUR. : RZhBiol., No. 23, 1958, No. 104897
 AUTHOR : Akhershkovich, Ye., Iliyeva, S., Dimitrova, ~~Ye.~~ ELENA
 INST. : Institute of Plant Cultivation, Bulgarian AS
 TITLE : On the Problem of the Effect of Climatic Conditions on
 the Development of Lavender and Mint in the Mountains of
 Samokov and Kazalyk.
 ORIG. PUB. : Iav. in-ta rasteniev"datvo. B"lg. An, 1957, kn. 4,
 219-234.
 ABSTRACT : The experiment station in Samokov is situated at the
 altitude of 1030 meters above sea level and the experiment
 station in Kazanlyk - at the altitude of 380 meters above
 sea level. It has been determined that both of the
 regions investigated, are suitable for the cultivation
 of lavender and mint. However, in Samokov, the growing
 period is longer than in Kazanlyk. No substantial
 difference was noted in the yield of lavender essential

CARD: 1/2

164

COUNTRY :
CATEGORY :

ABS. JOUR. : RZh31ol., No. 23, 1958, No. 104897

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : oil in the plants from Samokov and Kazanlyk. The amount of total and free menthol in the mint essential oil obtained from Samokov, is considerably higher apparently because of higher relative humidity, less evaporation and a longer period of sunlight in this region. — T. A. Bravtseva

CARD: 2/2

KHERSHKOVICH, E.

Agricultural meteorology in Bulgaria for 15 years. p. 37

KHIDROLOGIJA I METEOROLOGIJA. (Ministerstvo na zemedeliето. Khidrometeorologichna sluzhba) Sofia, Bulgaria, No. 4, 1959

Monthly List of East European Accessions (EEAI), IC, Vol. 8, No. 12,
December 1959
Uncl.

KHERSHKOVICH, E.; SUBEV, L.

Tasks of the Meteorologic and Climatologic Sections relative to the resolutions of the 8th Congress of the Bulgarian Communist Party. Khidro i meteorolog no.2:3-8 '63.

1. Chlen na Redaktsionnata kolegia, "Khidrologia i meteorologia" (for Khershkovich).

KHERSHKOVICH, E.; DILKOV, D.

Conditions and tasks of the agrometeorological service in the Bulgarian rural economy. Khidro i meteorolog 13 no.4:42-49 '64.

KHERSONETS, L.N.
KARMAZIN, V.I.; KHERSONETS, L.N.

Preparation of magnetite quartzites of the Southern Krivoy Rog
Mining and Ore Dressing Combine. Gor. zhur. no.7:41-46 J. '57.
(MIRA 10:8)

1. Mekhanobrohermet.

(Krivoy Rog--Ore dressing) (Iron ores)

KARMAZIN, V.I., doktor tekhn.nauk; KHERSONETS, L.N., inzh.; KRUTYY, V.V.,
inzh.; NIKOLAYENKO, V.P.; PILINSKIY, G.I., inzh.

Industrial testing of magnetic separators with counterflow and
semicounterflow tanks. Gor. zhur. no.11:63-65 N '61. (MLA 15:2)

1. Mekhanobrchermet, Krivoy Rog.
(Separators (Machines))

KHERSONOVA, L.A.

Formation of pectolytic enzymes in the submerged culture of
Aspergillus niger. Ferm. 1 spirt. prom. 30 no.3:12-15 '64

(MIRA 18:2)

KHERSONOVA, L.A.; MALCHENKO, A.L., prof., rukovoditel' raboty

Determining the activity of pectin splitting enzyme preparations.
Spir. prom. 29 no. 7:15-18 '63. (MIRA 13:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut fermentnoy i
spirtovoy promyshlennosti.

KHERSONOVA, L.A.; VAZHOVA, G.V.

Production of pectolytic ferments from the submerged culture
of *Aspergillus niger* "C" on the atomizing dryer. Fern i spirt.
prom. 30 no.724-5 '64 (MIRA 18:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut fermentov
i spirtovoy promyshlennosti.

KHERSONOVA, L.A.; KALUNYANTS, K.A.

Production of pectolytic ferment preparations with the method of submerged cultivation of the producing agent. Ferm. i spirt. prom. 30 no.8:11-13 '64. (MIRA 18:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut fermentnoy i spirtovoy promyshlennosti.

BUSYGINA, M.V., dotsent; KHERSONSKAYA, F.I., assistant

Certain atypical features in the clinical course of acute aphthous
stomatitis in Central Asia. Stomatologiya 40 no.3: 11-13 My-Je '61.

1. Iz kafedry terapevticheskoy stomatologii Tashkentskogo gosudarstvennogo
meditsinskogo instituta (dir. - dotsent A.G.Gulamov). (MIRA 74:12)

(SOVIET CENTRAL ASIA--STOMATITIS)

(WEATHER--MENTAL AND PHYSIOLOGICAL EFFECTS)

SHARPENAK, A.E.; MIKHEYEVA, L.I.; NIKOLAYEVA, N.V.; SLOVOKHOTNOVA, I.A.;
BOBIK, G.S.; ALAYEVA, V.N.; STUPNIKOVA, G.A.; GUSAKOVA, I.A.
GUSARSKAYA, V.V.; VOLCHEK, K.Ye.; SMIRNOVA, V.N.; PANOVA, V.V.;
KHHERSONSKAYA, F.M.;

Connection between enamel, the dentine, and the organism as a
whole. Vrach.delo no.2:203-205 F '59. (MIRA 12:6)

1. Kafedra biokhimii (zav. - prof.A.E.Sharpenak) Moskovskogo
meditsinskogo stomatologicheskogo instituta.
(TEETH)

BALABUKHA, D.K.; LOKUTSIYEVSKAYA, L.K.; KHERSONSKAYA, L.I.

Color reproduction bands in the reversal color process.
Zhur. nauch. i prikl. fot. i kin. 8 no.6:405-409 N-D '69.
(MIRA 17:1)

1. Leningradskiy institut kinoinzhenerov (LIKI).

448. Compleximetric determination of aluminum in silicates and glass. Yu. A. Cherniklov, B. M. Dobkina and L. M. Khetronskaya. *Zashch. Lav.* 1933, 21 (6), 636-642. *See also* 2442. To determine Al in silicates, 0.1 to 0.3 g is mixed with 3-5 to 5 g of NaOH and 0.5 g of Na₂O in a nickel crucible, which is heated gently to fuse the NaOH and then placed in a muffle-furnace at 600° to 700° C for 15 to 20 min. The melt is extracted with 100 ml of 3-5 per cent. NaOH solution, and the solution is mixed with 0.2 to 0.6 ml (according to the concn. of Fe and Mn) of 5 per cent. sodium sulphide solution. After a few min. the solution is filtered into a 250-ml calibrated flask and the ppt. is washed 6 or 7 times with 3-5 per cent. NaOH solution. The solution is made up to the mark and an aliquot portion containing about 5 to 8 mg of Al₂O₃ diluted to 100 ml with water is mixed with 5 to 10 ml of 0.05 M EDTA (disodium salt) (II), so that the excess is 1.5 to 3 ml and 1-50 per cent. of the amount introduced. The solution is neutralised to Congo red with HCl, and 3 ml of 2 M chloroacetic acid, 10 ml of M sodium acetate and 1-5 ml of 0.1 per cent. alizarin red S solution are added. The excess of I is titrated with 0.05 M thorium nitrate solution from a micro-burette. The thorium nitrate is standardised against the I under the same conditions and the I is standardised against 0.1 N. CaCl₂. One ml of 0.05 M I = 2.672 mg of Al₂O₃. When Ti is present its interference can be prevented by including 15 to 20 mg of CaO in the fusion mixture; only insignificant amounts of Ti then go into solution. Up to 50 mg of SiO₂ do not interfere.

G. S. SMITH

RODNYI, M. I.; KHERSONSKAYA, L.M.

Use of hydroclones for the separation of highly dispersed powders.
Titan i ego splavy no.4:158-164 '60. (MIRA 13:1)
(Powder metallurgy separators (Machines))

KHERSONSKAYA, R.S.

Detection of bone tuberculosis in rural areas [with summary in French]
Probl.tub. 36 no.2:3-6 '58 (MIRA 18:5)

1. Iz respublikanskogo protivotuberkuleznogo dispensera
Moldavskoy SSR (i.o. glavnogo vracha L.D. Sigal)
(TUBERCULOSIS, OSTEOARTICULAR, prev. and control
in Russia, mass survey in villages (Rus))
(RURAL CONDITIONS
prev. of osteoarticular tuberc. in Russia (Rus))

KHENSONSKAYA, R.S.

Control of osteoarticular tuberculosis in Moldavia. Zdravookhranenie
4 no.6:56-59 N-D '61. (MIRA 5:2)

1. Iz Moldavskogo nauchno-issledovatel'skogo instituta tuberkuleza
(direktor - kand.med.nauk V.G.Sokol) i kafedry organizatsii
zdravookhraneniya i istorii meditsiny (zav. - dotsent M.Ya.Gekhtman)
Kishinevskogo meditsinskogo instituta.
(MOLDAVIA__BONES__TUBERCULOSIS)

KHERSONSKAYA, R. Ya.

KHOMENKO, G.I., professor; KHERSONSKAYA, R. Ya., kandidat meditsinskikh nauk; BIRKOVSKAYA, Ye.A.; SLOBODYANYUK, M.I.

Rating various methods of influenza therapy for adults. Sov.med. 19
no.4:48-52 Ap 55. (MLRA 11:6)

1. Iz Instituta infektionnykh bolezney Akademii meditsinskikh nauk
SSSR (dir.-chlen-korrespondent Akademii meditsinskikh nauk SSSR
prof. I.L.Bogdanov), Kiev.
(INFLUENZA, ther.,
in adults)

KHERSONSKAYA, R.Ya.

Treatment of influenza; data of the Institute of Infectious Diseases
of the Academy of Medical Science of the U.S.S.R. Vop.virus. 1 no.4:
44-46 J1-Ag '56. (MIRA 10:1)

1. Institut infektsionnykh bolezney AMN SSSR, Kiev.
(INFLUENZA, therapy,
(Rus))

KHERSONSKAYA, R. Ya.

MOROZKIN, N.I., professor; KHERSONSKAYA, R. Ya., kandidat meditsinskikh nauk;
BUSLENKO, A.I. (Kiyev)

Clinical characteristics of influenza C. Vrach.delo no.5:473-477
My '57. — (MLRA 10:8)

1. Institut infektsionnykh bolezney AMN SSSR.
(INFLUENZA)

KHERSONSKAYA, R.Ya.
MOROZKIN, N.I., prof.; *KHERSONSKAYA, R.Ya.*, kand.med.nauk; BUSLENKO, A.I.
(Kiyev)

Peculiarities of influenza in 1957. Vrach.delo no.12:1311-1315
D '57. (MIRA 11:2)

1. Institut infektsionnykh bolezney AMN SSSR. 2. Chlen-korrespondent AMN SSSR (for Morozkin)
(INFLUENZA)

MOROZKIN, N.I., prof., otv.red.; LESHCHENKO, P.D., red.; KORNYUSHENKO,
N.P., red.; KHERSONSKAYA, R.Ya., red.; RYBINSKAYA, L.N., red.;
CHERNIIY, F.A., red.; LOKHMATYY, Ye.G., tskhred.

[Asian influenza; collection of articles] Aziatskii gripp;
sbornik nauchnykh rabot. Redkollegiya: N.I.Morozkin i dr.
Kiev, Gos.med.izd-vo USSR, 1958. 285 p. (MIRA 13:6)

1. Akademiya meditsinskikh nauk SSSR, Moscow. Institut infektsion-
nykh bolezney. 2. Chlen-korrespondent AMN SSSR (for Morozkin).
 3. Institut infektsionnykh bolezney AMN SSSR, Kiev (for Morozkin,
Korniyushenko, Rybinskaya).
- (INFLUENZA)

USSR/Virology - Human and Animal Viruses.

E

Abs Jour : Ref Zhur Biol., No 1, 1959, 588

Author : Moroskin, N.I., Khersonskaya, R.Ya., Buslenko, A.I.

Inst : Academy of Medical Sciences USSR

Title : Data of the Institute of Infectious Diseases Med. Acad.
Sci. USSR on Characteristics of Clinical Course of
Asiatic Grippe "A-57"

Orig Pub : Vestn. Akad. med. nauk SSSR, 1958, No 3, 12-20

Abstract : No abstract.

Card 1/1

15

MOROZKIN, N.I., prof., KHERSONSKAYA, B.Ya., kand.med.nauk, BUSLENKO, A.I. (Kiyev)

Clinical course of influenza. Vrach.delo no.3:265-267 Mr'58 (MIRA 11:5)

1. Chlen-korrespondent AMN SSSR (for Morozkin). 2. Institut
infektsionnykh bolezney AMN SSSR.
(INFLUENZA)

MOROZKIN, Nikolay Ivanovich (1893-), otv. red.; MAKSIMOVICH, N.A., red.; KORNYUSHENKO,
N.P., red.; KHERSONSKAYA, R./a., red.

[Influenza; collection of works] Gripp; sbornik nauchnykh rabot.
Kiev, Gos. med. izd-vo USSR. No.3. 1959. 1 v. (MIRA 14:8)
(INFLUENZA)

MOROZKIN, N.I.; KHERSONSKAYA, R.Ya.; EJSLENKO, A.I.

Third wave of Asian influenza. Vop. virus. 5 no. 2:145-151 M-r-3
'60. (MIRA 4:4)

1. Institut infektionnykh bolezney AMN SSSR, Kiev.
(INFLUENZA)

KHERSONSKAYA, R. Ya., kand.med.nauk

Increasing the effectiveness of the treatment of influenza. Vest.
AMN SSSR 15 no.8:24-30 '60. (MIRA 13:11)

1. Kiyevskiy institut infeksionnykh bolezney AMN SSSR.
(INFLUENZA)

KHERSONSKAYA, R.Ya

KHERSONSKAYA, R.Ya.; GORBUNOVA, Ye.N.

Electrocardiographic changes in patients with influenza and pneumonia treated with oxygen. Terap.arkh. 32 no.11:70-77 N 50.

(MIA 14:1)

1. Iz Instituta infektsionnykh bolezney AMN SSSR.
(ELECTROCARDIOGRAPHY) (INFLUENZA) (PNEUMONIA)
(OXYGEN THERAPY)

MOROZKIN, N.I.; KHERSONSKAYA, R.Ya.; BUSLENKO, A.I.

Clinical characteristics of sporadic cases of influenza.
Nauch. inform. Otd. nauch. med. inform. AMN SSSR no.1:
24-25 '61

(MIRA 16:11)

1. Institut infektsionnykh bolezney (direktor - chlen kor-
respondent AMN SSSR, prof. I.L.Bogdanov) AMN SSSR, Kiyev.

*

KHERSONSKAYA, R. Ya.

Treatment of influenza and its complications. Nauch. inform.
Otd. nauch. med. inform. AMN SSSR no.1:25 '61 (MIRA 16:11)

1. Institut infektsionnykh bolezney (direktor - chlen-korres-
pondent AMN SSSR prof. I.L.Bogdanov) AMN SSSR, Kiyev.

*

MOROZKIN, N.I.; KHERSONSKAYA, R.Ya.; BITENBINDER, Ye.A.

Clinical aspects of adenovirus diseases caused by the serotype
VII. *Pediatrics* 39 no.4:27-29 Ap '61. (MIRA 14:4)

1. Iz Instituta infektsionnykh bolezney AMN SSSR.
(ADENOVIRUS INFECTIONS)

MOROZKIN, N.I.; KHERSONSKAYA, R.Ya. (Moskva)

Differential diagnosis of influenzalike (adenovirus)
diseases. Klin. med. 40 no.12:131-135 D:62.

(MIRA 17:2)

1. Iz Instituta infektsionnykh bolezney AMN SSSR (dir. -
chlen-korrespondent AMN SSSR prof. I.L. Bogdanov).

MOROZKIN, N.I.; KHERSONSKAYA, R.Ya.

Clinic testing of deoxyribonuclease in adenovirus conjunctivitis.

Izv.SO AN SSSR no. 8. Ser. biol.-med. nauk no.2:102-107 '63.

(MIRA 16:11)

1. Institut infektionnykh bolezney, Kiev.

*

GOLYUSOVA, Ye.V. (Kiyev); KHERSONSKAYA, R.Ya. (Kiyev); BITENBINDER, Ye.A.
(Kiyev); GORBUNOVA, Ye.N. (Kiyev)

State of the cardiovascular system in adenovirus diseases. Vrach.
delo no.3:93-97 Mr '64. (MIRA 17:4)

1. Institut infektsionnykh bolezney Ministerstva zdravookhraneniya
UkrSSR.

YUZEFOVA, F.I., prof.; MOSHKOVICH, R.I., kand. med. nauk; KHERSONSKAYA,
R.Ya. (Kiyev)

Treatment of adenovirus eye diseases with some enzymes. Oft.
zhur. 18 no.7:421-426 '63 (MIRA 17:4)

KHERSONSKAYA, R.Ya.; BITENBINDER, Ye.A.; PASHCHENKO, A.S.

Clinical and roentgenological pulmonary changes in adenoviral diseases. *Pediatrics* 42 no.9:14-18 S'63. (MIRA 17/5)

1. Iz Instituta infektsionnykh bolezney Ministerstva zdravookhraneniya UkrSSR.

KHERSONSKAYA, R.Ya. (Kiyev)

Testing of hormones (cortisone and prednizone) in pneumonia. Sbor.
nauch.trud. Inst.infek.bol. no.4:193-198. '64.

Specific treatment of influenza. Ibid.:199-202

(MIRA 18:6)

BOGOYAVLENSKIY, V.V., FEL'DERIN, M.G., KROL', V.I., KHERSONSKAYA Ye.A.
KHERSONSKAYA, YE. A.

Coke Industry

Efficient storage of coking coal in the storage bins of coke by-product plants. Za ekon.
top. 9 no. 6, 1952.

Monthly List of Russian Accessions, Library of Congress, August 1952. Unclassified.

KHERSONSKAYA, E. A.

Fuel Abst.
Vol. 15 No. 4
Apr. 1954
Natural Solid Fuels
Preparation

2779. CONSERVATION OF COOKING COALS IN STORE AT COKE AND CHEMICAL WORKS.
Bogoyavlenskii, V.V., Fedubrin, M.O., Krol, V.L. and Khersonskaya, E. A. (Za Eksp.
Popliva (Fuel Econ.), June 1952, 13-18; abstr. in J. Usin. Gaz, Jan. 1953, vol. 77,
27; and in Gas World, 29 Nov. 1953, vol. 138, 1394). Experiments on the effects of
storage in the open air on the carbonizing properties of coal have been reported.
Measurements of the temperature in the heaps showed that if the heap was 33 ft. high,
the maximum occurred about 16 ft. from the ground, whereas if the heap was 16 ft.
high, the maximum occurred close to the ground. As a result of the experiments, the
maximum stocking period was found to be between one and two months. The oxidation of
the coal was found to be less rapid if the stock was piled during cold weather. (1).
H.S.

KHERSONSKAYA, Ye. L.

KHERSONSKAYA, Ye. L., kand. iskusstvovedeniya

Great anniversary exhibition. Zdorov'e 4 no. 3:8 Mr '58.

(ART--EXHIBITIONS)

(MIRA 11:3)

KHERSONSKAYA, Ye.L., kand.iskusstvovedcheskikh nauk; MILOTVORSKAYA, M.B.,
~~kand.iskusstvovedcheskikh nauk~~

Artists' contribution to the 22d Congress. Zdorov'e 8 no.2:8 F '62.
(MIRA 13:4)

(PAINTINGS)

KHERSONSKIY, A.S.
ROTENSHTEYN, S.M., inzh.(Moskva); KHERSONSKIY, A.S., inzh. (Moskva)

New machines for pipeline construction. Stroi.pred.neft.prom.
2 no.7:1-4 J1 '57. (MIRA 0:10)
(Pipelines) (Petroleum industry--Equipment and supplies)

BARKOV, V.Ye.; BYKHOVSKIY, Ya.L.; GRZHIPOVSKIY, V.V.; PAVLYCHEV, L.Ye.;
RABOTNOVA, K.A.; SOKOLOV, V.B.; SOLOV'YEV, P.N.; KHERSONSKIY,
D.S.; ZVENIGORODSKIY, I.S., red.; SAVEL'YEV, V.I., red.; BORUNOV,
N.I., tekhn.red.

[Safety rules in the construction and use of communication structures
and equipment] Pravila tekhniki bezopasnosti pri ekspluatatsii i
stroitel'stve sooruzhenii i ustroistv aviazii. Moskva, Gos.energ.
izd-vo, 1959. 103 p. (MIRA 13:4)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva elektro-
stantsiy. Tekhnicheskoye upravleniye. 2. Tekhnupravleniye Mi-
nisterstva elektrostantsiy (MES) (for Berkov). 3. Vsesoyuznyy
nauchno-issledovatel'skiy institut energetiki (VNIIE) (for Bykhovskiy,
Pavlychev, Sokolov). 4. Gosudarstvennyy trest po organizatsii i ratsio-
nalizatsii elektrostantsiy (ORGRES) (for Grzhibovskiy). 5. Leningrad-
skoye rayonnoye upravleniye energokhozyaystva (Lenenergo) (for Rabot-
nova). 6. Moskovskoye rayonnoye upravleniye energokhozyaystva (for
Solov'yev, Khersonskiy).

(Electric engineering--Safety measures)

(First aid in illness and injury)

L 15736-65 ENT(E)/EWA(H) Pub

ACCESSION NR: AP4048842

S/0119/64/000/011/0024/0027

AUTHOR: Grigor'iyev, A. S.; Khersonskiy, B. S.; Grigorovskiy, B. K.;
Kulikovskiy, L. E.

TITLE: Photoelectrometric amplifier 25

SOURCE: Priborostroyeniye, no. 11, 1964, 26-27

TOPIC TAGS: photoelectrometric amplifier, electrometer, electrometer
amplifier

ABSTRACT: This article describes a photoelectrometric amplifier used
in measuring voltage, current, and charge, and widely applied to
ionizing-radiation dosimetry, mass-spectroscopy, biology, and in pH
measurements. Enclosure: a movable element

in measuring voltage, current, and conductance, and in pH meters. In this device (see Fig. 1 of the Enclosure), a movable element E is placed in the null position and two photocells P₁, P₂ are equally exposed to the light of a lamp L. When input voltage V_i (Fig. 1a) is applied, the element twists, causing unequal photocell exposure and the resultant flow of current I through a feedback resistor.

Card 1/3

L 15756-65

ACCESSION NR: AF4048842

$$V_{out} = I R_1 = \frac{R_1}{R} V_i = K_1 V_i$$

where $K_1 = \frac{R_1}{R}$ is the static amplification factor and R is the load resistor. The negative feedback ensures high operational stability, and the circuit achieves equilibrium without drawing power from the input signal. Variations on the above device, to be used in making current and charge measurements (Fig. 1b and 1c), are described. A construction diagram of an electrometer (developed by the authors), using a standard F-117 photo unit is shown. The specifications on this unit include a measurement range of 0-100 mv, a minimum precision

REF: 2 Figures and 6 formulas

ASSOCIATION: none

SUBMITTED: 00

ENCL: 01

SUP CODE: 0

NO REF SOV: 003

OTHER: 000

ATT PRESS: 141

Card 2/3

L 15756-65

ACCESSION NR: AP4048842

ENCLOSURE: 01

ACCESSION NR: AF4048842

ENCLOSURE: 01

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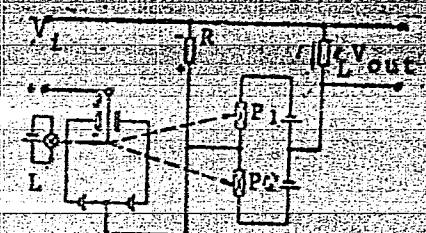
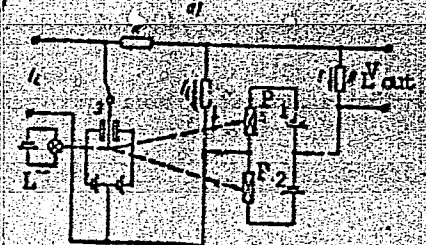
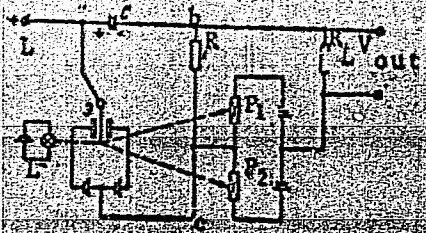


Fig. 1. Electrometer schematics:
a - voltage; b - current; c - charge



a - Electrometer; L - lamp;
P1, P2 - photocells; V1 - measured
voltage; R - feedback resistor;
I1 - measured current; C1 - measured
charge; Vout - output voltage;
C - capacitor; RL - load resistor.



Card 3/3

KHERSONSKIY, G. R.

"A New Reflexometer." Vrachebnoye Delo, No. 10, pp 925-926, 1951.

KHERSONSKIY, G.R., vrach(Chernovitsy)

I.M. Sechenov and the education of women in Russia. Med.vestn.
no.7:23-24 J1 '55. (MLBA 8:9)

(EDUCATION, MEDICAL, history
in Russia)

KHERSONSKIY, G.R.

Pain spots on the head in hypertension. Vrach.delo no.8:863 Ag '58
(MIR: 11:8)

1. Nauchno-oporny punkt Odesskogo psikhonevrologicheskogo instituta
nervnoye otdeleniye Leninskoy rayonnoy bol'nitsy v Odesse (zav. otdeleni-
yem - dots. B.Ya. Sosyura).

(HYPERTENSION)

(HEAD--INNERVATION)

KHERSONSKIY, G.R.

Work arrangements following recovery from tuberculous meningitis.
Vrach. delo no.4:82-83 Ap '61. (MIRA 14:0)

1. Odesskaya oblastnaya bol'nitsa i klinika bolezney Odesskogo
meditsinskogo instituta (zav. - prof. G.G.Sokolyanskiy).
(MENINGES--TUBERCULOSIS) (WORK)

KULAZHENKO, M. I.; Khersonskiy, G. R. (Odessa)

Cholesteatomas in the area of the cauda equina following tuberculous meningitis. Vop. neirokhirurgii no.3:27-31 '62.
(MIRA 15:7)

1. Neyrokhirurgicheskoye i tuberkulezno-meningitnoye otdeleniye
(G. R. Khersonskiy) oblastnoy bol'nitsy i klinika nervnykh
bolezney Odesskogo meditsinskogo instituta.

(SPINAL CORD—TUMORS) (MENINGES—TUBERCULOSIS)

KHERSONSKIY, G.R.

Recurrent tuberculous meningitis in adolescents and adults.
Vrach.delo no.11:53-56 N '62.

(MIRA 16:2)

1. Otdeleniye tuberkuleznogo meningita Odesskoy oblastnoy
bol'nitsy i klinika nervnykh bolezney (zav. - prof. G.G.
Sokolyanskiy) Odesskogo meditsinskogo instituta.
(MENINGES---TUBERCULOSIS)

KHERSONSKIY, G.R.

Experience with ambulatory treatment of patients recovering
from meningeal tuberculosis. Probl. tub. 41 no.9:12-17 '63

(MIRA 17:4)

1. Iz Odesskoy oblastnoy bol'nitsy (glavnyy vrach K.S. Ternovoy),
kafedry nervnykh bolezney (dir. - prof. G.G. Sokolyanskiy) Odes-
skogo meditsinskogo instituta i Odesskogo oblastnogo protivotu-
berkuleznogo dispansera (glavnyy vrach A.M. Kal'neva).

KHERSONSKIY, G.R.; KULAZHENKO, M.I. (Odessa)

Clinical aspects, pathogenesis, and immediate and late results of operative treatment of cholesteatomas following tuberculous meningitis. Vrach. delo no.2:82-86 F'64 (MIRA 17:4)

1. Tuberkulezno-meningitnoye i neyrokhirurgicheskoye otdeleniye Odesskoy oblastnoy bol'nitsy i klinika nervnykh bolezney Odesskogo meditsinskogo instituta.

BEDNYI, G.; KHERSONSKIY, I.

Work norms and productive use of time in school workshops. Prof.
tekh. obr. 21 no.1:21-22 Ja '64. (MIRA 17:3)

1. Professional'no-tekhnicheskoye uchilishche No.5, g. Odessa.

KHERSONSKIY, I.; KORYSHEV, V.

Modernization of the SEK-1 tower crane. Prom.stroi. i inzh.soor.

3 no.2:56 Mr-Ap '61.

(MIRA 15:3)

(Cranes, derricks, etc.)

YEVDOKIMOV, V., kand. tekhn. nauk; KHERSONSKIY, I., prepodavatel';
IVANIKOV, N., master proizvodstvennogo obucheniya.

Device for measuring the cutting forces in turning. Prof.-tekh.
obr. 21 no.12:23 D '64. (MIRA 18:2)

KHERSONSKIY, Khrisanf. pisatel'

Hidden places of Surozh. Nauka i zhizn' 30 no.6:106-108 Ja '63.
(MIRA 16:7)

(Sudak--Archaeology)

KHERSONSKIY, Khrisanf, pisatel'

Mysterious bridge. Nauka i zhizn' 29 no.10:87 0 '62.

(MIRA 15:12)

(Kupan' region--Antiquities)

VASIL'YEV, V.M.; AVILOV, A.A.; ALMAZOV, A.D.; BALASHOV, A.V.; VOLKOV, A.M.;
YELIZAROV, N.G.; LAPUTIN, A.Ya.; RYABOV, V.M.; SABUNAYEV, V.B.;
SAMARIN, D.A.; SUETIN, V.A.; KHERSONSKIY, Kh.N.; TSETEL'MAN, P.V.;
GORBACHEVA, N.A., red.; TRIPOL'SKIY, L.G., red.; MANINA, M.P.,
tekhn.red.

[The angler's reference book] Nastol'naya kniga rybolova-sportsmena.
Moskva, Gos.izd-vo "Fiskul'tura i sport," 1960. 237 p.
(Fishing) (MIRA 14:1)

KHERSONSKIY, I.P., VAYNSHTEYN, T.A.

Primary cancer of the middle ear. Vrach.delo no.4:431-432 Ap'58
(MIZ. 11:6)

1. Otolaringologicheskoye otdeleniye Nikolayevskoy oblastnoy
bol'nitsy.
(EAR--CANCER)

L 20736-66 EWT(d)/EWT(1)/EWT(m)/EWP(1)/EWP(t) IJP(c) GG/BB/JD

ACC NR: AP6011997

SOURCE CODE: UR/0126/65/019/004/0506/0513

AUTHOR: Polivanov, K. M.; Frumkin, A. L.; Khersonskiy, M. S.

ORG: Moscow Power Engineering Institute (Moskovskiy energeticheskiy institut)

TITLE: Hysteresis loops of thin magnetic films with 'negative' area

SOURCE: Fizika metallov i metallovedeniye, v. 19, no. 4, 1965, 506-513

TOPIC TAGS: hysteresis loop, magnetic thin film, magnetic circuit

ABSTRACT: When a thin magnetic film is acted upon by mutually perpendicular fields, a hysteresis loop can be formed with "negative" area. This phenomenon is analyzed on the basis of a model of homogeneous rotation. For small amplitudes of the alternating components of the fields an analytic calculation is performed for the area of the loop; and expressions are produced for this area, the power of the circuit, and the tangent of the angle of magnetic losses. All three quantities are negative, indicating a reverse flow of power. Under static conditions, experimental negative loops are produced which are in qualitative agreement with the theory. The expressions obtained for loop area, power, and u_2 are:

$$S = -\frac{B_s H_A^2}{2} h_m^2 h_{Am}$$

$$P = f(S) = -\frac{u}{2\pi} S = -\frac{B_s H_A}{4} u h_m^2 h_{Am}$$

Card 1/2

UDC: 538.23

L 20736-66

ACC NR: AP6011997

and $\mu_s = \frac{B_s}{2H_{\mu s}} \cdot h_{\mu s}$ respectively. Orig. art. has: 7 figures and 2 formulas.

[JPRS]

SUB CODE: 20 / SUBM DATE: 06Apr64 / ORIG REF: 003 / OTH REF: 003

Card 2/2

KACHURA, N.I.; KHERSONSKIY, N.N.; KRASNOPOL'SKIY, A.A.; ALEKSEYEV, Ie.B.;
CHEBANOV, Ye.A.

Drilling rig for drilling holes with a reller bit. Gor. zhur. no.8;
75 Ag '63. (MIRA 16:9)

(Boring machinery)

KHERSONSKIY, R. A.

24463

KHERSONSKIY, R. A. O znachenii optiko-vegetativnoy sistemy v etiopatogeneze i terapii kivatel'noy sudorogi u detey, Uchen. zapiski (Odes. Gos. nauch.-issled. Psikhonevrol. IN-T), VYP. 1, 1949, S. 137-41..

SO; Letopis, No. 52, 1949.

KHERSONSKIY, R.A.

Diagnosis of atypic cases of poliomyelitis. *Pediatria, Moskva* No.1:
56-60 Jan-Feb 52. (CINL 21:4)

1. Docent. 2. Of the Clinic for Child Psychoneurology (Head--Docent
R.A. Khersonskiy), Odessa Scientific-Research Psychoneurological
Institute (Director--Docent Ye.M. Myasoyed; Scientific Supervisor--
Academician G.I. Markelov).